Facility Information Summary	
AER Reporting Year	2014
Licence Register Number	P0566-02
Name of site	Tawnaghmore Generating Station
Site Location	Killala, Co. Mayo.
NACE Code	3511
Class/Classes of Activity	Production and supply of electricity
National Grid Reference (6E, 6 N)	120370E, 327918N

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year **and an overview of compliance with your licence** listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.

Tawnaghmore Peaking Capacity Plant is located in north County Mayo in an elevated position 3 km to the south of Killala village along the R314 Ballina/Killala road. The surrounding catchment area is the Moy River and the land use is predominantly agricultural land. The plant has been in operation since late 2000 with the purpose of covering the peaks in electricity demand. The site area at Tawnaghmore, Killala is 3.56 hectares. At Tawnaghmore PCP the process involved is the combustion of gas oil (distillate fuel oil) in a gas turbine (GT) that drives a generator for electricity production. The combustion plant currently installed consists of two TwinPac turbine sets, manufactured by Pratt and Whitney, comprising two combustion turbines each (and therefore two exhaust stacks each 20m high) driving a common generator. The total rated electrical output of the each unit is approximately 52MWe. Unit 1 commenced operation in December 2003. The installation of a second turbine occurred in 2008 and doubled the electrical output capacity bringing the total output to 104 MWe. In addition to the combustion plant itself, the main infrastructure on site includes a water treatment plant, water storage tanks, bunded steel oil storage tanks and bunded transformers. Gas oil with low sulphur content is used for combustion in the gas turbines.

Fuel consumption will depend on the actual number of run hours during the period of deployment. The operating hours have increased this year from 10 in 2013 to 63 in 2014. There was 1733 MWhrs generated onsite in 2014 compared to 210 MWhrs in 2013. This has lead to increased emissions from the site when compared to last years reported emissions. With regards to compliance with the sites licence, there was two exceedances of ELVs related to air earlier in 2014. This was due to issues with the water injection system which was resolved. There was one exceedance of an ELV for emission to water, related to a discharge from the water treatment plant ion exchange system. We will comply with the mass emission limit per day in future however, a technical amendment to the licence will be considered. There was three surface water samples with elevated DRO/VOC levels above trigger levels. This was related to diesel found in the fuel bund and this has now been resolved.

Declaration:

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

Caroline O'Connell	31/03/2015
Signature Environmental Co-ordinator (or nominated, suitably qualified and experienced deputy)	Date

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Answer all questions and complete all tables where relevant

			Additional information
1	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables	Yes	

Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below		
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? Basic air monitoring checklist AGN2		

Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

Note 1: Volumetric flow shall be included as a reportable parameter

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Continuous Monitoring				

4	Does your site carry out continuous air emissions monitoring?	Yes	
	If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)		
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	Yes	02/12/2014 Flow limit valve failure fault. Maintanence contractor resolved problem in 04/12/14. No plant running occurred during this time.
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	Yes	
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	No	

Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision therof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	230		0	1	06/01/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	53		0	0	13/01/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	101		0	0	23/01/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	53		0	0	29/01/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	57		0	0	10/02/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	110		0	0	17/03/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	65		0	0	21/03/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	93		0	0	25/03/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	85		0	0	25/04/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	37		0	0	04/06/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	53		0	0	07/07/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	79		0	0	24/09/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	60		0	0	26/09/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	82		0	0	03/10/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	65		0	0	08/10/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	39		0	0	07/12/2014
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	52		0	0	12/12/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	107,992		0	0	06/01/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	174,401		0	0	13/01/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	268,616		0	0	23/01/2014

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A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	384,827		0	0	29/01/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	488,793		0	0	10/02/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	550,464		0	0	17/03/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	117,435		0	0	21/03/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	245,526		0	0	25/03/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	317,890		0	0	25/04/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	223,238		0	0	04/06/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	297,917		0	0	07/07/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	165,351		0	0	24/09/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	222,181		0	0	26/09/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	367,285		0	0	03/10/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	312,537		0	0	08/10/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	412,828		0	0	07/12/2014
A1	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	374,429		0	0	12/12/2014
A1								48		02/12/2004
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	57		0	0	23/01/2014
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	65		0	0	29/01/2014
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	107		0	0	11/02/2014
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	113		0	0	17/03/2014
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	70		0	0	21/03/2014
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	42		0	0	04/06/2014
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	70		0	0	07/07/2014
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	99		0	0	15/07/2014
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	66		0	0	03/10/2014
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	77		0	0	08/10/2014
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	65		0	0	07/12/2014
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	38		0	0	12/12/2014

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A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	56		0	0	26/12/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	235,511		0	0	23/01/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	393,141		0	0	29/01/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	147,295		0	0	11/02/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	487,069		0	0	17/03/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	228,024		0	0	21/03/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	159,411		0	0	04/06/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	251,799		0	0	07/07/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	251,096		0	0	15/07/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	252,824		0	0	03/10/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	236,605		0	0	08/10/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	190,229		0	0	07/12/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	328,368		0	0	12/12/2014
A2	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	122,388		0	0	26/12/2014
A2								48		02/12/2004
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	326		0	1	06/01/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	48		0	0	16/01/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	41		0	0	05/02/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	28		0	0	06/02/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	44		0	0	28/02/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	69		0	0	22/04/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	7		0	0	23/04/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	93		0	0	21/05/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	85		0	0	24/06/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	80		0	0	18/07/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	61		0	0	21/08/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	84		0	0	04/09/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	42		0	0	22/10/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	54		0	0	03/12/2014
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	50		0	0	12/12/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	124,321		0	0	06/01/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	394,263		0	0	16/01/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	121,892		0	0	05/02/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	241,474		0	0	06/02/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	188,226		0	0	28/02/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	403,427		0	0	22/04/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	172,511		0	0	23/04/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	226,699		0	0	21/05/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	238,384		0	0	24/06/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	1,220,035		0	0	18/07/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	447,276		0	0	21/08/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	1,600,938		0	0	04/09/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	141,651		0	0	22/10/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	673,252		0	0	03/12/2014
A3	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	625,011		0	0	12/12/2014
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	121		0	1	16/01/2014
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	50		0	0	28/02/2014

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A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	77		0	0	22/04/2014
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	74		0	0	21/05/2014
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	14		0	0	24/06/2014
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	64		0	0	18/07/2014
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	49		0	0	21/08/2014
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	58		0	0	04/09/2014
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	31		0	0	22/10/2014
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	92		0	0	24/11/2014
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	60		0	0	03/12/2014
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	62		0	0	12/12/2014
A4	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	455,278		0	0	16/01/2014
A4	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	227,372		0	0	28/02/2014
A4	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	370,732		0	0	22/04/2014
A4	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	259,884		0	0	21/05/2014
A4	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	196,863		0	0	24/06/2014
A4	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	1,200,558		0	0	18/07/2014
A4	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	452,875		0	0	21/08/2014
A4	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	1,469,747		0	0	04/09/2014
A4	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	163,415		0	0	22/10/2014
A4	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	262,035		0	0	24/11/2014
A4	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	723,982		0	0	03/12/2014
A4	volumetric flow	5,643,323	Daily	Daily average < ELV	m3	492,274		0	0	12/12/2014
	SELECT				SELECT			0	0	

note 1: Volumetric flow shall be included as a reportable parameter.

Table A3: Abatement system bypass reporting table Bypass protocol

Date*	Duration** (hours)	Location	Reason for bypass	Impact magnitude	Corrective action

* this should include all dates that an abatement system bypass occurred

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** an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

8 Solvent use and management on site

Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5

No

Table A4: Solvent Management Plan Summary
Total VOC Emission limit value

Solvent regulations — Please refer to linked solvent regulations to complete table 5 and 6

Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air	Total VOC emissions as % of	Total Emission Limit Value (ELV) in licence or any revision	Compliance
					SELECT
					SELECT

Table A5: Solvent Mass Balance summary

	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
							Total	

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Yes No 2014

			Additional information
1	Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer	Yes	
2	Was it a requirement of your licence to carry out visual inspections on any surface water	Yes	

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

*trigger values may be agreed by the Agency outside of licence conditions

Table W2 Visual inspections-Please only enter details where contamination was observed.

Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
			SELECT		
			SELECT		

Licensed Emissions to water and /or wastewater(sewer)-periodic monitoring (non-continuous)

3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below		Yes	
4	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas	External /Internal Lab Quality checklist	Assessment of results checklist Yes	

Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof Note 2	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
S2	Water	pH	discrete	Monthly	Monthly	8.7	No pH value shall deviate from the specified range.	7.8	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"			Jan
S2	Water	pH	discrete	Monthly	Monthly	8.7	No pH value shall deviate from the specified range.	7.6	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"			Feb
S2	Water	pH	discrete	Monthly	Monthly	8.7	No pH value shall deviate from the specified range.	7	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"			Mar
S2	Water	pH	discrete	Monthly	31/03/2015	8.7	No pH value shall deviate from the specified range.	7.2	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"			Apr
S2	Water	pH	discrete	Monthly	Monthly	8.7	No pH value shall deviate from the specified range.	7.2	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"			May
S2	Water	pH	discrete	Monthly	Monthly	8.7	No pH value shall deviate from the specified range.	7	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"			Jun
S2	Water	pH	discrete	Monthly	Monthly	8.7	No pH value shall deviate from the specified range.	7.3	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"			Jul
S2	Water	pH	discrete	Monthly	Monthly	8.7	No pH value shall deviate from the specified range.		pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"			No discharge from site. Interceptor closed.
S2	Water	pH	discrete	Monthly	Monthly	8.7	No pH value shall deviate from the specified range.		pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"			No discharge from site. Interceptor closed.
S2	Water	pH	discrete	Monthly	Monthly	8.7	No pH value shall deviate from the specified range.	7.6	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"			Oct
S2	Water	pH	discrete	Monthly	Monthly	8.7	No pH value shall deviate from the specified range.	7.5	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"			Nov
S2	Water	pH	discrete	Monthly	Monthly	8.7	No pH value shall deviate from the specified range.	8	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"			Dec
S2	Water	COD	discrete	Monthly	Monthly	80.39	All results < 1.2 x ELV	<10	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			Jan

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S2	Water	COD	discrete	Monthly	Monthly	80.39	All results < 1.2 x ELV	<10	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			Feb
S2	Water	COD	discrete	Monthly	Monthly	80.39	All results < 1.2 x ELV	<10	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			Mar
S2	Water	COD	discrete	Monthly	Monthly	80.39	All results < 1.2 x ELV	11	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			Apr
S2	Water	COD	discrete	Monthly	Monthly	80.39	All results < 1.2 x ELV	<10	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			May
S2	Water	COD	discrete	Monthly	Monthly	80.39	All results < 1.2 x ELV	12	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			Jun
S2	Water	COD	discrete	Monthly	Monthly	80.39	All results < 1.2 x ELV	<10	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			Jul
S2	Water	COD	discrete	Monthly	Monthly	80.39	All results < 1.2 x ELV		mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			No discharge from site. Interceptor closed.
S2	Water	COD	discrete	Monthly	Monthly	80.39	All results < 1.2 x ELV		mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			No discharge from site. Interceptor closed.
S2	Water	COD	discrete	Monthly	Monthly	80.39	All results < 1.2 x ELV	12	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			Oct
S2	Water	COD	discrete	Monthly	Monthly	80.39	All results < 1.2 x ELV	17	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			Nov
S2	Water	COD	discrete	Monthly	Monthly	80.39	All results < 1.2 x ELV	<10	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			Dec
S2	Water	Conductivity	discrete	Monthly	Monthly			179.45	us/cm	yes	INSTRUMENTAL METHODS	APHA / AWWA "Standard Methods"			Jan
S2	Water	Conductivity	discrete	Monthly	Monthly			121.3	us/cm	yes	INSTRUMENTAL METHODS	APHA / AWWA "Standard Methods"			Feb
S2	Water	Conductivity	discrete	Monthly	Monthly			121.5	us/cm	yes	INSTRUMENTAL METHODS	APHA / AWWA "Standard Methods"			Mar
S2	Water	Conductivity	discrete	Monthly	Monthly			141.5	us/cm	yes	INSTRUMENTAL METHODS	APHA / AWWA "Standard Methods"			Apr
S2	Water	Conductivity	discrete	Monthly	Monthly			115.7	us/cm	yes	INSTRUMENTAL METHODS	APHA / AWWA "Standard Methods"			May
S2	Water	Conductivity	discrete	Monthly	Monthly			119	us/cm	yes	INSTRUMENTAL METHODS	APHA / AWWA "Standard Methods"			Jun
S2	Water	Conductivity	discrete	Monthly	Monthly			68.1	us/cm	yes	INSTRUMENTAL METHODS	APHA / AWWA "Standard Methods"			Jul
S2	Water	Conductivity	discrete	Monthly	Monthly				us/cm	yes	INSTRUMENTAL METHODS	APHA / AWWA "Standard Methods"			No discharge from site. Interceptor closed.
S2	Water	Conductivity	discrete	Monthly	Monthly				us/cm	yes	INSTRUMENTAL METHODS	APHA / AWWA "Standard Methods"			No discharge from site. Interceptor closed.
S2	Water	Conductivity	discrete	Monthly	Monthly			109.3	us/cm	yes	INSTRUMENTAL METHODS	APHA / AWWA "Standard Methods"			Oct
S2	Water	Conductivity	discrete	Monthly	Monthly			133.8	us/cm	yes	INSTRUMENTAL METHODS	APHA / AWWA "Standard Methods"			Nov
S2	Water	Conductivity	discrete	Monthly	Monthly			2079	us/cm	yes	INSTRUMENTAL METHODS	APHA / AWWA "Standard Methods"			Dec

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)								Lic No: P0566-02		Year 2014					
S2	Water	Volatile organic compounds (as TOC)	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)	APHA / AWWA "Standard Methods"			Jan
S2	Water	Volatile organic compounds (as TOC)	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)	APHA / AWWA "Standard Methods"			Feb
S2	Water	Volatile organic compounds (as TOC)	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)	APHA / AWWA "Standard Methods"			Mar
S2	Water	Volatile organic compounds (as TOC)	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)	APHA / AWWA "Standard Methods"			Apr
S2	Water	Volatile organic compounds (as TOC)	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	90	µg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)	APHA / AWWA "Standard Methods"			Source of diesel was investigated. Interceptor was cleaned and discharge was monitored closely.
S2	Water	Volatile organic compounds (as TOC)	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	1180	µg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)	APHA / AWWA "Standard Methods"			Traces of diesel found in diesel bund and interceptor. Source of diesel was determined and interceptor was cleaned.
S2	Water	Volatile organic compounds (as TOC)	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<1	µg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)	APHA / AWWA "Standard Methods"			Jul
S2	Water	Volatile organic compounds (as TOC)	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV		µg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)	APHA / AWWA "Standard Methods"			Traces of diesel found in diesel bund and interceptor. Source of diesel was determined and interceptor was cleaned.
S2	Water	Volatile organic compounds (as TOC)	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV		µg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)	APHA / AWWA "Standard Methods"			Traces of diesel found in diesel bund and interceptor. Source of diesel was determined and interceptor was cleaned.
S2	Water	Volatile organic compounds (as TOC)	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	160	µg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)	APHA / AWWA "Standard Methods"			Traces of diesel found in diesel bund and interceptor. Source of diesel was determined and interceptor was cleaned.
S2	Water	Volatile organic compounds (as TOC)	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)	APHA / AWWA "Standard Methods"			Nov
S2	Water	Volatile organic compounds (as TOC)	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)	APHA / AWWA "Standard Methods"			Dec
S2	Water	DRO	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Jan
S2	Water	DRO	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Feb
S2	Water	DRO	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Mar
S2	Water	DRO	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Apr
S2	Water	DRO	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	90	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Source of diesel was investigated. Interceptor was cleaned and discharge was monitored closely.
S2	Water	DRO	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	1180	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Traces of diesel found in diesel bund and interceptor. Source of diesel was determined and interceptor was cleaned.
S2	Water	DRO	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	348	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Jul
S2	Water	DRO	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV		µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Traces of diesel found in diesel bund and interceptor. Source of diesel was determined and interceptor was cleaned.
S2	Water	DRO	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV		µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Traces of diesel found in diesel bund and interceptor. Source of diesel was determined and interceptor was cleaned. No discharge from site. Interceptor closed.
S2	Water	DRO	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	160	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Traces of diesel found in diesel bund and interceptor. Source of diesel was determined and interceptor was cleaned. No discharge from site. Interceptor closed.

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: P0566-02 Year 2014

S2	Water	DRO	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Nov
S2	Water	DRO	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Dec
S2	Water	Mineral Oil	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Jan
S2	Water	Mineral Oil	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Feb
S2	Water	Mineral Oil	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Mar
S2	Water	Mineral Oil	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Apr
S2	Water	Mineral Oil	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			May
S2	Water	Mineral Oil	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Jun
S2	Water	Mineral Oil	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	249	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Traces of diesel found in diesel bund and interceptor. Source of diesel was determined and interceptor was cleaned. No discharge from site. Interceptor closed.
S2	Water	Mineral Oil	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV		µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Traces of diesel found in diesel bund and interceptor. Source of diesel was determined and interceptor was cleaned. No discharge from site. Interceptor closed.
S2	Water	Mineral Oil	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV		µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Traces of diesel found in diesel bund and interceptor. Source of diesel was determined and interceptor was cleaned. No discharge from site. Interceptor closed.
S2	Water	Mineral Oil	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Oct
S2	Water	Mineral Oil	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Nov
S2	Water	Mineral Oil	discrete	Monthly	Monthly	>10	All results < 1.2 x ELV	<10	µg/L	yes	GC (Gas Chromatography)	APHA / AWWA "Standard Methods"			Dec

Note 1: Volumetric flow shall be included as a reportable parameter

Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standard

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: P0566-02 Year 2014

Continuous monitoring

			Additional Information
5	Does your site carry out continuous emissions to water/sewer monitoring? **If yes please summarise your continuous monitoring data below in Table W4 and compare it to**	Yes	
6	Did continuous monitoring equipment experience downtime? **If yes please record downtime in table W4 below**	No	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	Yes	
8	Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below**	No	

Table W4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
S1	Water	pH	6 to 9	1 hour	No pH value shall deviate from the .specified range	pH units	8.09		0	0	11.02.14
S1	Water	volumetric flow	30	24 hour	No flow value shall exceed the .specific limit	m3/day	7.5		0	0	11.02.14
S1	Water	BOD	0.6	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	kg/day	0.14		0	0	11.02.14
S1	Water	COD	0.75	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	kg/day	1.28		0	1	Ion exchange resin concentration of influent water. Comply with the mass emission per day ELV where possible.
S1	Water	Suspended Solids	750	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	kg/day	123.7		0	0	11.02.14
S1	Water	pH	6 to 9	24 hour	No pH value shall deviate from the .specified range	pH units	7.35		0	0	Oct-2014
S1	Water	volumetric flow	30	24 hour	No flow value shall exceed the .specific limit	m3/day	1.65		0	0	Oct-2014
S1	Water	BOD	0.6	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	kg/day	0.17		0	0	Oct-2014
S1	Water	COD	0.75	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	kg/day	0.53		0	0	Oct-2014
S1	Water	Suspended Solids	750	24 hour	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	kg/day	32		0	0	Oct-2014

note 1: Volumetric flow shall be included as a reportable parameter.

Table W5: Abatement system bypass reporting table

Date	Duration (hours)	Location	Resultant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?
						SELECT	

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template

Lic No: P0566-02 Year 2014

Bund testing

dropdown menu click to see options

			Additional information
1	Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to **all bunds which failed** the integrity test-**all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)	Yes	
2	Please provide integrity testing frequency period	3 years	
3	Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)	Yes	
4	How many bunds are on site?	16	
5	How many of these bunds have been tested within the required test schedule?	16	
6	How many mobile bunds are on site?	15	
7	Are the mobile bunds included in the bund test schedule?	Yes	
8	How many of these mobile bunds have been tested within the required test schedule?	15	
9	How many sumps on site are included in the integrity test schedule?	0	
10	How many of these sumps are integrity tested within the test schedule?	0	
	Please list any sump integrity failures in table B1		
11	Do all sumps and chambers have high level liquid alarms?	No	
12	If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	N/A	
13	Is the Fire Water Retention Pond included in your integrity test programme?	N/A	

Table B1: Summary details of bund /containment structure integrity test

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
MB008	prefabricated		Foam	0.29	0.23	Hydraulic test		04/12/2014	Yes	Fail	crack in bund	Other (please describe) Disposed of bund	N/A	N/A
	SELECT					SELECT			SELECT	SELECT		SELECT		

* Capacity required should comply with 25% or 110% containment rule asdetailed in your licence

			Commentary
15	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? bunding and storage guidelines	Yes	
16	Are channels/transfer systems to remote containment systems tested?	No	
17	Are channels/transfer systems compliant in both integrity and available volume?	N/A	

Pipeline/underground structure testing

1	Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test and all which have not been tested withing the integrity test period as specified**	Yes	
2	Please provide integrity testing frequency period	3 years	

*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

Table B2: Summary details of pipeline/underground structures integrity test

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)

Please use commentary for additional details not answered by tables/ questions above

Groundwater/Soil monitoring template	Lic No:	P0566-02	Year	2014

			Comments	
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	no		Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
2	Are you required to carry out soil monitoring as part of your licence requirements?	no		
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no		
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. Groundwater monitoring template	SELECT		
5	Is the contamination related to operations at the facility (either current and/or historic)	no		
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	N/A		
7	Please specify the proposed time frame for the remediation strategy	N/A		
8	Is there a licence condition to carry out/update ELRA for the site?	yes		
9	Has any type of risk assessment been carried out for the site?	yes		
10	Has a Conceptual Site Model been developed for the site?	no		
11	Have potential receptors been identified on and off site?	yes		
12	Is there evidence that contamination is migrating offsite?	no		

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
							SELECT			SELECT
							SELECT			SELECT

.+ where average indicates arithmetic mean

.++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Groundwater/Soil monitoring template Lic No: P0566-02 Year 2014

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	31/03/2015	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
							SELECT			SELECT
							SELECT			SELECT

*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA.

Groundwater monitoring template

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)

Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

Surface water EQS | Groundwater regulations GTV's | Drinking water (private supply) standards | Drinking water (public supply) standards | Interim Guideline Values (IGV)

Table 3: Soil results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit
							SELECT
							SELECT

Where additional detail is required please enter it here in 200 words or less

	Environmental Liabilities template	Lic No:	P0566-02	Year	2014

Click here to access EPA guidance on Environmental Liabilities and Financial provision

2014

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€89,000	
4	Financial Provision for ELRA status	Required but not submitted	
5	Financial Provision for ELRA - amount of cover	€89,000	
6	Financial Provision for ELRA - type	Public Liability Insurance with Environmental Impairment Liability cover,	
7	Financial provision for ELRA expiry date		
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and completed	
10	Financial Provision for Closure status	Submitted and agreed by EPA	
11	Financial Provision for Closure - amount of cover	€61,000	
12	Financial Provision for Closure - type	Other please specify dismantling provision in annual accounts	
13	Financial provision for Closure expiry date		

Environmental Management Programme/Continuous Improvement Programme template Lic No: P0566-02 Year 2014

Highlighted cells contain dropdown menu click to view

			Additional Information
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	Achieve no Major Non Conformances in ISO 14001 audit	100	No major non conformances during external audit	Individual	Improved Environmental Management Practices
Additional improvements	Achieve a compliance score > 7 in the Register of Environmental Legislation	100	Review of Legislation undertaken by SHE team	Individual	Improved Environmental Management Practices
Additional improvements	Combine EMS procedures for Rhode and Tawnaghmore Peaker plants.	10	In progress will continue into 2015.	Individual	Improved Environmental Management Practices
Additional improvements	Review emergency response procedures	80	In progress will continue into 2015.	Individual	Improved Environmental Management Practices
Additional improvements	Update GHG Procedure under new Phase III Permit.	100	Completed for final GHG verification	Individual	Improved Environmental Management Practices
Additional improvements	80% of high environmental actions identified in PHR to be completed.	100	80% of the high PHR actions have been completed.	Individual	Improved Environmental Management Practices
Additional improvements	Review of all MSDS sheets on-site and ensure chemical risk assessments are in place	100	All MSDSs are up to date and Sypol chemical assessments have been undertaken.	Individual	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Bund Testing Programme 2014	100	Bund testing was undertaken in December 2014.	Individual	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	Tank testing programme 2014	100	Main diesel tank testing complete and integrity sound.	Individual	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	Fuel tank leak detection system to be installed	20	Work to be completed in March-May 2015.	Individual	Installation of infrastructure
Additional improvements	Review data availabililty for PEMS software justification	10	Reviewed documentation held onsite. Discussion to be held with EPA on progression of this.	Individual	Improved Environmental Management Practices
Additional improvements	Review of continuous air emissions monitoring data	100	Calibraion and down time logs reviewed and in place. Use of control charts for EMS systems are appropriate.	Individual	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	Visit Waste Contractor site to determine compliance	100	Audit undertaken in February 2015.	Individual	Improved Environmental Management Practices

Noise monitoring summary report	Lic No:	P0566-02	Year	2014

2014

1	Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below	No
2	Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? (Noise Guidance note NG4)	SELECT
3	Does your site have a noise reduction plan	SELECT
4	When was the noise reduction plan last updated?	Enter date
5	Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?	SELECT

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA_{eq}	LA_{90}	LA_{10}	LA_{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
								SELECT	SELECT		SELECT

*Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options? SELECT

** please explain the reason for not taking action/resolution of noise issues?
Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary	Lic No:	P0566-02	Year	2014

2014

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below		
2	Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information	SEAI - Large Industry Energy Network (LIEN)	No	
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information		Yes	<1%

Table R1 Energy usage on site

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)	210	1733	725%	
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)				
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	66.3 tonnes	469.39 tonnes	608%	
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

* where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Table R2 Water usage on site

					Water Emissions	Water Consumption	
Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Volume Discharged back to environment(m^3yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	692	1559	125%				
Recycled water							
Total	692	1559	125%				

* where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Resource Usage/Energy efficiency summary

Lic No: P0566-02 Year 2014

Table R3 Waste Stream Summary

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	131.76			58.12	73.64
Non-Hazardous (Tonnes)	37.6	9.88		0.18	27

Table R4: Energy Audit finding recommendations

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

Table R5: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry)please complete the following information

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology	Gas Turbine	Gas Turbine			
Primary Fuel	LFO	LFO			
Thermal Efficiency					
Unit Date of Commission	2003	2008			
Total Starts for year	66	55			121
Total Running Time	22.67	40.55			63.22
Total Electricity Generated (GWH)	0.69	1.04			1.73
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used on Site					1.11

Complaints and Incidents summary template Lic No: P0566-02 Year 2014

Complaints		Additional information
Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below	No	

Table 1 Complaints summary

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		

Total complaints open at start of reporting year	
Total new complaints received during reporting year	
Total complaints closed during reporting year	
Balance of complaints end of reporting year	

Complaints and Incidents summary template Lic No: P0566-02 Year 2014

Incidents

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below	No	Additional information

*For information on how to report and what constitutes an incident	What is an incident

Table 2 Incidents summary

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurence
06/01/2014	Breach of ELV	Licenced discharge point (type in reference here) A1 & A3	1. Minor	Air	Plant or equipment issues		Normal activities		New	Water injection system was re-set.	Water injection system was re-set.	Complete	24/01/2014	Low
16/01/2014	Breach of ELV	Licenced discharge point (type in reference here) A4	1. Minor	Air	Plant or equipment issues		Normal activities	EPA	New	Water injection system was re-set and re-started.	Water injection system to be monitored closely on start of run	Complete	24/01/2014	Low
07/05/2014	Trigger level reached	Licenced discharge point (type in reference here) S1	1. Minor	Water	Plant or equipment issues		Normal activities	EPA	New	Site examined for potential fuel leaks but none found.	Interceptor was cleaned and sample re-taken and anlysed.	Complete	12/06/2015	Low
12/02/2014	Breach of ELV	Licenced discharge point (type in reference here) S1	1. Minor	Water	Other (add details)	Ion exchange resin concentration of influent water	Normal activities	EPA	New	No corrective actions could be undertaken	Comply with the mass emission per day ELV where possible.	Complete	06/06/2014	Medium
30/06/2014	Spillage	Other location (please specify here) Diesel fuel bund	1. Minor	Water	Plant or equipment issues		Normal activities	EPA	New	Interceptor valve closed. Spill clean up in bund.	Diesel tank intregrity test carried out. No defects found.	Complete	12/09/2014	Low
01/07/2014	Trigger level reached	Licenced discharge point (type in reference here) S2	1. Minor	Water	Plant or equipment issues		Normal activities	EPA	Recurring	Interceptor valve closed. Exceedance linked to incident above 30.06.14.	Contractor hired to clean and empty interceptor and drainage system. Interceptor value remained closed until reason for the fuel in the bund was found.	Complete	12/09/2014	Medium
29/10/2014	Trigger level reached	Licenced discharge point (type in reference here) S2	1. Minor	Water	Plant or equipment issues		Normal activities	EPA	Recurring	P&W holding tank isolated. Contractor hired to empty holding tank.	Install intermediate tank in diesel bund to collect liquid from P&W holding tank.	Complete	05/12/2015	Low
02/12/2014	Monitoring equipment offline	Licenced discharge point (type in reference here) A1 & A2	1. Minor	Air	Plant or equipment issues		Normal activities	EPA	New	Maintanance contractor called to resolve issue.	Analyser pump replaced and unit was serviced.	Complete	04/12/2014	Low

Total number of incidents current year	8
Total number of incidents previous year	0
% reduction/ increase	800%

WASTE SUMMARY	Lic No:	P0566-02	Year	2014
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES		PRTR facility logon	dropdown list click to see options	

SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

			Additional Information
1	Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is to be captured through PRTR reporting)	No	
	If yes please enter details in table 1 below		
2	Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	SELECT	
3	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	SELECT	

Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code European Waste Catalogue EWC codes	Source of waste accepted	Description of waste accepted **Please enter an accurate and detailed description - which applies to relevant EWC code** European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/ - %	Reason for reduction/ increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -

SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES

4	Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite	SELECT	
5	Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site	SELECT	
6	Does your facility have relevant nuisance controls in place?	SELECT	
7	Do you have an odour management system in place for your facility? If no why?	SELECT	
8	Do you maintain a sludge register on site?	SELECT	

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste SELECT UNIT	Lined disposal area occupied by waste SELECT UNIT	Unlined area SELECT UNIT	Comments on liner type
Cell 8													

WASTE SUMMARY Lic No: P0566-02 Year 2014

Table 4 Environmental monitoring-landfill only

Landfill Manual-Monitoring Standards

Was meterological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments

.+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9	Is leachate from your site treated in a Waste Water Treatment Plant?	SELECT
10	Is leachate released to surface water? If yes please complete leachate mass load information below	SELECT

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	

Environmental Protection Agency

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2014

1. FACILITY IDENTIFICATION

Parent Company Name	SSE Generation Ireland Limited
Facility Name	SSE Generation Ireland Limited (Killala)
PRTR Identification Number	P0566
Licence Number	P0566-02

Classes of Activity

No.	**class_name**
-	Refer to PRTR class activities below

Address 1	Tawnaghmore
Address 2	Killala
Address 3	
Address 4	
	Mayo
Country	Ireland
Coordinates of Location	-9.22019 54.1943
River Basin District	IEWE
NACE Code	3511
Main Economic Activity	Production of electricity
AER Returns Contact Name	Caroline O'Connell
AER Returns Contact Email Address	caroline.oconnell@sse.com
AER Returns Contact Position	Environmental Co-Ordinator
AER Returns Contact Telephone Number	00353 (0)6829206
AER Returns Contact Mobile Phone Number	00353 86 8216392
AER Returns Contact Fax Number	00353 (0)68 36156
Production Volume	104.0
Production Volume Units	MW
Number of Installations	1
Number of Operating Hours in Year	63
Number of Employees	2
User Feedback/Comments	The operating hours have increased this year from 10 in 2013 to 63 in 2014. There was 1733 MWhrs generated onsite in 2014 compared to 210 MWhrs in 2013. This has lead to increased emissions from the site and a greater than 50% variance from last years reported emissions.
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	**Activity Name**
1(c)	Thermal power stations and other combustion installations

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	no
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE

Guidance on waste imported/accepted onto site

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	No

This question is only applicable if you are an IPPC or Quarry site

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
03	Carbon dioxide (CO2)	C	ETS		1490125.0	1490125.0	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	ISO 10849:1996		1688.5	1688.5	0.0	0.0
11	**Sulphur oxides (SOx/SO2)**	M	OTH	tonnes of gas oil used*0.1/100% sulphur*1.998	937.8	937.8	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: SSE Generation Ireland Limited (Killala)

Please enter summary data on the quantities of methane flared and / or utilised	**T (Total) kg/Year**	**M/C/E**	**Method Used**		**Facility Total Capacity m3 per hour**	
			Method Code	**Designation or Description**		
Total estimated methane generation (as per site model)	0.0				N/A	
Methane flared	0.0				0.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A	

4.2 RELEASES TO WATERS

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.4 RELEASES TO LAND

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
			Method Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
			Method Used				
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Please enter all quantities on this sheet in Tonnes 0

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	15 01 06	No	0.18	mixed packaging	R3	M	Weighed	Offsite in Ireland	McGrath Industrial Waste,CW002	Turlough ,Castlebar ,Co. Mayo,.,Ireland		
To Other Countries	15 02 02	Yes	0.42	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0184-01	Portlaoise,.,.,.,Ireland	Lindenschmidt,E97095037, Kreuztal,.,.,.,Germany	Kreuztal,.,.,.,Germany
To Other Countries	16 01 07	Yes	0.46	oil filters	R4	M	Weighed	Abroad	Enva ireland Ltd.,W0184-01	Portlaoise,.,.,.,Ireland	RD Recycling,51727/1/KD,.,.,.,., Belgium	.,.,.,.,Belgium
Within the Country	16 07 08	Yes	73.64	wastes containing oil	D9	M	Weighed	Offsite in Ireland	Lehane Environmental and Industrial Services,WCP-CK-08-0574-02	Wallingstown Industrial Estate,Little Island,.,Co. Cork,Ireland	Rilta Environmental Limited ,WO192-3, Block 402 ,Grant's Drive ,Greenogue Business Park ,Rathcoole Dublin,Ireland	Block 402 ,Grant's Drive ,Greenogue Business Park ,Rathcoole Dublin,Ireland
Within the Country	20 03 01	No	9.88	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	McGrath Industrial Waste,CW002	Turlough ,Castlebar ,Co. Mayo,.,Ireland		
Within the Country	20 03 04	No	27.0	septic tank sludge	D8	C	Volume Calculation	Offsite in Ireland	MDS,NWCPO-12-11096-01	Carrick ,Attymass ,Ballina ,Co Mayo,Ireland		
Within the Country	13 05 07	Yes	52.5	oily water from oil/water separators	R13	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0184-01	Portlaoise,.,.,.,Ireland	Enva Ireland Ltd,W0184-01,Portlaoise,.,.,.,Ireland	Portlaoise,.,.,.,Ireland
To Other Countries	15 01 10	Yes	0.42	packaging containing residues of or contaminated by dangerous substances	R1	M	Weighed	Abroad	Enva Ireland Ltd.,W0184-01	Portlaoise,.,.,.,Ireland	Lindenschmidt,E97095037, Kreuztal,.,.,.,Germany	Kreuztal,.,.,.,Germany
Within the Country	13 05 03	Yes	2.96	interceptor sludges	R13	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0184-01	Portlaoise,.,.,.,Ireland	Enva Ireland Ltd,W0184-01,Portlaoise,.,.,.,Ireland	Portlaoise,.,.,.,Ireland
Within the Country	13 07 01	Yes	1.36	fuel oil and diesel	R13	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0184-01	Portlaoise,.,.,.,Ireland	Enva Ireland Ltd,W0184-01,Portlaoise,.,.,.,Ireland	Portlaoise,.,.,.,Ireland

* Select a row by double-clicking the Description of Waste then click the delete button

Link to previous years waste data
Link to previous years waste summary data & percentage change
Link to Waste Guidance